



SOME SEE JUST A CABLE •

**WE SEE  
DELIVERIES  
THROUGH  
FIRE AND WATER**

• MARINE & OFFSHORE CABLES



# FULL-LINE SUPPLIER TO MARINE AND OFFSHORE



Naturally, our range of marine and offshore cables are certified and approved, as required.



**Uniform quality, documentation and high security of supply are inescapable demands on Scankab as supplier of cables and cable ladders to the marine and offshore industries.**

#### **Operating safety aboard**

Scankab's range of maritime and offshore cables comprises a range of particularly heard-wearing cables, which all are duly approved. Our halogen-free and fire-proof maritime cables are especially designed to transmitting current in extreme conditions - in the event of fire, for instance.

Our offshore cables are designed for use, e.g. on drilling platforms, where there are risks such as slurry, drilling material or cleaning agents. The cables are UV-proof, water-repellent and slurry-resistant. All our cables have been thoroughly tested to guarantee their durability in demanding environments.

*"The particularly stringent requirements made of products used in the marine and offshore industries confirm that the market requires products of high quality paired with the wish for technical and professional sparring. In this respect, Scankab is able to make an important contribution and ensure that the right products are available."*

**” Morten Rasmussen,  
CEO, Scankab**

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## TOXFREE® XZ1-K (AS) - 0.6/1 kV

### Application:

TOXFREE® XZ1-K (AS) is a series of unique toxfree installation cables. The cables are designed as flexible installation cables. They are suited for all use in street lights, public places, power stations, industry and building installations. They are also very suitable for installations where flexible connections are needed such as in a motor, generator and similar. Suitable for bricking. The cable is double insulated. Conductor insulation is not suitable for direct light exposure.

### Construction:

Conductor:	Electrolytic annealed Cu, class 5
Insulation:	XLPE
Conductor color:	According to HD 308 Please notice that dimensions marked with ** are black conductors with white numbering
Inner sheath:	Thermoplastic polyolefin (TPO)
Outer sheath:	Extra flexible halogen free compound, meter marked, UV resistant, black

### Technical data:

Working temperature:	-15° C to +90° C
Rated voltage:	0.6/1 kV
Bend radius:	<25 mm <sup>2</sup> 4 x cable diameter >25 mm <sup>2</sup> 6 x cable diameter
Technical comments:	Current value A is at 45° C

**CPR classification:** Please request for DoP at [dop@scankab.dk](mailto:dop@scankab.dk)

### Approvals:




































EN 50575, IEC 60092-353, IEC 60332-1, IEC 60332-3-22, IEC 60754-1, IEC 60754-2, IEC 61034-1, IEC 61034-2, IEC 60092-351, CE, RoHS, ABS, Bureau Veritas, DNV, Lloyd's Register





## TOXFREE® XZ1-K (AS) - 0.6/1 kV

### Properties and installation:

-  Abrasion resistant
-  Bending radius 6 x cable diameter
-  Can be buried
-  Can be immersed into water
-  Can lay in tubes
-  Environmentally friendly
-  Fire retardant acc. to IEC 60332-3
-  Flame retardant acc. to IEC 60332-1
-  Flexible
-  For industrial mobile use
-  For industrial use
-  For permanent outdoor installation
-  For use in cable trays
-  For use in switchboards
-  For use in wind turbines
-  For use on ships
-  Halogen free
-  Impact resistance: medium
-  Low emission of corrosive gases acc. to IEC 60754
-  Low smoke emission during fire acc. to 61034
-  250° Max. short circuit temp. +250° C
-  90° Max. working temp. +90° C
-  Meter marked
-  -40° Min. working temperature -40° C
-  Oil and grease resistant
-  Oil resistant
-  Outdoor decommissioning
-  Resistance towards oil and chemicals
-  Suitable for bricking
-  Suited for public places
-  Suited for wall attachment
-  UV-resistant
-  Water resistant
-  Withstands freezing
-  Withstands moisture

## TOXFREE® XZ1-K (AS) - 0.6/1 kV

SKU	EAN	CPR	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
64001002	5704403042340	B2 <sub>ca</sub> -s1b,d1,a1	1x2,5	25	D./Cut	5,4	45
64001004	5704403042357	B2 <sub>ca</sub> -s1b,d1,a1	1x4	35	D./Cut	5,9	61
64001006	5704403042364	B2 <sub>ca</sub> -s1b,d1,a1	1x6	46	D./Cut	6,5	81
64001010	5704403042371	B2 <sub>ca</sub> -s1b,d1,a1	1x10	64	D./Cut	7,4	122
64001016	5704403042388	B2 <sub>ca</sub> -s1b,d1,a1	1x16	88	D./Cut	8,6	181
64001025	5704403042395	B2 <sub>ca</sub> -s1b,d1,a1	1x25	117	D./Cut	10,4	271
64001035	5704403042401	B2 <sub>ca</sub> -s1b,d1,a1	1x35	147	D./Cut	11,7	370
64001050	5704403042418	B2 <sub>ca</sub> -s1b,d1,a1	1x50	180	D./Cut	13,4	510
64001070	5704403041428	B2 <sub>ca</sub> -s1b,d1,a1	1x70	233	D./Cut	15,3	704
64001095	5704403041435	B2 <sub>ca</sub> -s1b,d1,a1	1x95	285	D./Cut	17,4	923
64001120	5704403041442	B2 <sub>ca</sub> -s1b,d1,a1	1x120	333	D./Cut	19,0	1157
64001150	5704403041114	B2 <sub>ca</sub> -s1b,d1,a1	1x150	386	D./Cut	21,3	1438
64001185	5704403041459	B2 <sub>ca</sub> -s1b,d1,a1	1x185	444	D./Cut	23,9	1750
64001240	5704403045679	B2 <sub>ca</sub> -s1b,d1,a1	1x240	528	D./Cut	26,9	2283
64001240G	5704403063956	B2 <sub>ca</sub> -s1b,d1,a1	1G240	528	D./Cut	26,9	2283
64001300	5704403062454	B2 <sub>ca</sub> -s1b,d1,a1	1x300	612	D./Cut	29,6	2864
64001400	5704403057443	B2 <sub>ca</sub> -s1b,d1,a1	1x400	823	D./Cut	34,0	3784
64002001	5704403041367	B2 <sub>ca</sub> -s1b,d1,a1	2x1,5	23	D./Cut	8,0	97
64002002	5704403042425	B2 <sub>ca</sub> -s1b,d1,a1	2x2,5	31	D./Cut	9,1	131
64002004	5704403042432	B2 <sub>ca</sub> -s1b,d1,a1	2x4	43	D./Cut	10,2	176
64002006	5704403042449	B2 <sub>ca</sub> -s1b,d1,a1	2x6	55	D./Cut	11,4	234
64002010	-	B2 <sub>ca</sub> -s1b,d1,a1	2x10	75	D./Cut	13,3	348
64002016	5704403062379	B2 <sub>ca</sub> -s1b,d1,a1	2x16	100	D./Cut	15,1	493
64003001	5704403041060	B2 <sub>ca</sub> -s1b,d1,a1	3x1,5	23	D./Cut	8,9	118
64003001G	5704403041541	B2 <sub>ca</sub> -s1b,d1,a1	3G1,5	23	D./Cut	8,9	118
64003002	5704403041107	B2 <sub>ca</sub> -s1b,d1,a1	3x2,5	31	D./Cut	9,8	156
64003002G	5704403044917	B2 <sub>ca</sub> -s1b,d1,a1	3G2,5	31	D./Cut	9,8	156
64003004	5704403044696	B2 <sub>ca</sub> -s1b,d1,a1	3x4	43	D./Cut	10,9	211
64003006	5704403041190	B2 <sub>ca</sub> -s1b,d1,a1	3x6	55	D./Cut	12,2	285
64003010	5704403041404	B2 <sub>ca</sub> -s1b,d1,a1	3x10	75	D./Cut	14,6	442
64003016	5704403041640	B2 <sub>ca</sub> -s1b,d1,a1	3x16	87	D./Cut	16,8	642
64003025	5704403042456	B2 <sub>ca</sub> -s1b,d1,a1	3x25	110	D./Cut	21,0	1008
64003035	5704403041411	B2 <sub>ca</sub> -s1b,d1,a1	3x35	137	D./Cut	24,0	1363
64003050	5704403042463	B2 <sub>ca</sub> -s1b,d1,a1	3x50	167	D./Cut	27,9	1894
64003070	5704403042470	B2 <sub>ca</sub> -s1b,d1,a1	3x70	214	D./Cut	30,5	2532
64003095	5704403042487	B2 <sub>ca</sub> -s1b,d1,a1	3x95	259	D./Cut	36,6	3397
64003120	5704403042494	B2 <sub>ca</sub> -s1b,d1,a1	3x120	301	D./Cut	40,2	4252
64003150	5704403047673	B2 <sub>ca</sub> -s1b,d1,a1	3x150	347	D./Cut	45,1	5299
64003185	5704403061013	B2 <sub>ca</sub> -s1b,d1,a1	3x185	397	D./Cut	50,7	6495
64003240	-	B2 <sub>ca</sub> -s1b,d1,a1	3x240	468	D./Cut	57,3	8461
64004001	5704403041077	B2 <sub>ca</sub> -s1b,d1,a1	4x1,5	20	D./Cut	9,7	140
64004001G	5704403042920	B2 <sub>ca</sub> -s1b,d1,a1	4G1,5	20	D./Cut	9,7	140
64004002	5704403041374	B2 <sub>ca</sub> -s1b,d1,a1	4x2,5	28	D./Cut	10,6	185
64004002G	5704403041534	B2 <sub>ca</sub> -s1b,d1,a1	4G2,5	28	D./Cut	10,6	185
64004004	5704403041381	B2 <sub>ca</sub> -s1b,d1,a1	4x4	37	D./Cut	12,1	262
64004006	5704403041398	B2 <sub>ca</sub> -s1b,d1,a1	4x6	47	D./Cut	13,5	351
64004010	5704403041589	B2 <sub>ca</sub> -s1b,d1,a1	4x10	65	D./Cut	16,0	544
64004016	5704403041596	B2 <sub>ca</sub> -s1b,d1,a1	4x16	87	D./Cut	18,7	802

## TOXFREE® XZ1-K (AS) - 0.6/1 kV

SKU	EAN	CPR	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
64004025	5704403051717	B2 <sub>ca</sub> -s1b,d1,a1	4x25	110	D./Cut	23,7	1271
64004025G	5704403062799	B2 <sub>ca</sub> -s1b,d1,a1	4G25	110	D./Cut	23,7	1271
64004035	5704403041602	B2 <sub>ca</sub> -s1b,d1,a1	4x35	137	D./Cut	25,9	1690
64004035G	5704403062805	B2 <sub>ca</sub> -s1b,d1,a1	4G35	137	D./Cut	25,9	1690
64004050	5704403062812	B2 <sub>ca</sub> -s1b,d1,a1	4G50	167	D./Cut	31,3	2396
64004070G	5704403062836	B2 <sub>ca</sub> -s1b,d1,a1	4G70	214	D./Cut	35,8	3284
64004095G	5704403062843	B2 <sub>ca</sub> -s1b,d1,a1	4G95	259	D./Cut	40,6	4282
64004120	5704403062850	B2 <sub>ca</sub> -s1b,d1,a1	4G120	301	D./Cut	44,8	5391
64004150G	5704403062867	B2 <sub>ca</sub> -s1b,d1,a1	4G150	347	D./Cut	50,2	6748
64004240	-	B2 <sub>ca</sub> -s1b,d1,a1	4x240	468	D./Cut	63,7	10763
64004240G	5704403062874	B2 <sub>ca</sub> -s1b,d1,a1	4G240	468	D./Cut	63,7	10763
64005001	5704403041084	B2 <sub>ca</sub> -s1b,d1,a1	5x1,5**	20	D./Cut	10,4	165
64005001G	5704403041558	B2 <sub>ca</sub> -s1b,d1,a1	5G1,5	20	D./Cut	10,4	165
64005002G	5704403041565	B2 <sub>ca</sub> -s1b,d1,a1	5G2,5	28	D./Cut	11,8	229
64005004	-	B2 <sub>ca</sub> -s1b,d1,a1	5G4	37	D./Cut	13,3	315
64005006G	5704403176373	B2 <sub>ca</sub> -s1b,d1,a1	5G6	47	D./Cut	15,0	431
64005010	-	B2 <sub>ca</sub> -s1b,d1,a1	5G10	65	D./Cut	17,7	670
64005016	-	B2 <sub>ca</sub> -s1b,d1,a1	5G16	87	D./Cut	20,8	991
64005025G	5704403063352	B2 <sub>ca</sub> -s1b,d1,a1	5G25	110	D./Cut	29,9	1879
64005035G	5704403063369	B2 <sub>ca</sub> -s1b,d1,a1	5G35	137	D./Cut	33,6	2510
64005050G	5704403063376	B2 <sub>ca</sub> -s1b,d1,a1	5G50	167	D./Cut	34,0	2795
64005070G	5704403063383	B2 <sub>ca</sub> -s1b,d1,a1	5G70	214	D./Cut	38,8	3850
64007001	5704403041091	B2 <sub>ca</sub> -s1b,d1,a1	7x1,5**	11	D./Cut	11,4	204
64007002	5704403044702	B2 <sub>ca</sub> -s1b,d1,a1	7x2,5**	15	D./Cut	12,5	265
64012001	5704403041626	B2 <sub>ca</sub> -s1b,d1,a1	12x1,5**	9	D./Cut	14,3	326
64019001	5704403041633	B2 <sub>ca</sub> -s1b,d1,a1	19x1,5**	8	D./Cut	17,3	435
64024001	5704403045013	B2 <sub>ca</sub> -s1b,d1,a1	24x1,5**	7	D./Cut	18,8	531

\* The values can have small deviations

# Installation cables, screened



## TOXFREE® XTCuZ1-K (AS), screened - 0.6/1 kV

### Application:

XTCuZ1-K (AS) is a highly flexible cable for permanent installation on ships and offshore units. The cable is particularly suitable for power circuits where shielding is required, or areas which requires additional protection against possible shock. The cable material is halogen free, has low smoke emission and is fire retardant.



### Construction:

- Conductor: Electrolytic annealed Cu, class 5
- Insulation: XLPE
- Conductor color: According to HD 308  
Please notice that dimensions marked with \*\* are with white numbered conductors
- Screen: Braided tinned Cu screen
- Outer sheath: Foil screen  
Thermoplastic polyolefin, UV resistant, black

### Technical data:

- Working temperature: -40° C to +90° C
- Rated voltage: 0.6/1 kV
- Bend radius: <math>< 25 \text{ mm}^2</math>: 4 x cable diameter  
>25 mm<sup>2</sup>: 6 x cable diameter
- Technical comments: Current value A is measured at 45° C

### Approvals:

IEC 60092-353, IEC 60332-1, IEC 60332-3-22, IEC 60754-1, IEC 60754-2, IEC 61034-2, IEC 60092-351, CE, RoHS, ABS, Bureau Veritas, DNV, Lloyd's Register



### Properties and installation:

- Abrasion resistant
- Can be buried
- Can be immersed into water
- Can lay in tubes
- Electromagnetically protected
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For industrial mobile use
- For industrial use
- For permanent outdoor installation
- For use in cable trays
- For use in switchboards
- For use in wind turbines
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to IEC 61034
- 250 Max. short circuit temp. +250° C
- 90 Max. working temp. +90° C
- Meter marked
- 40 Min. working temperature -40° C
- Oil and grease resistant
- Oil resistant
- Outdoor decommissioning
- Resistance towards oil and chemicals
- Suitable for bricking
- Suited for public places
- Suited for wall attachment
- UV-resistant
- Water resistant
- Withstands freezing
- Withstands moisture



Installation cables, screened



## TOXFREE® XTCuZ1-K (AS), screened - 0.6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
65001002	-	1x2,5	25	D./Cut	8,2	108
65001004	-	1x4	35	D./Cut	8,9	133
65001006	-	1x6	46	D./Cut	9,5	158
65001010	-	1x10	64	D./Cut	10,4	209
65001016	5704403083848	1x16	88	D./Cut	11,6	280
65001025	-	1x25	117	D./Cut	14,0	424
65001035	5704403083855	1x35	147	D./Cut	15,1	532
65001050	5704403060306	1x50	180	D./Cut	17,0	702
65001070	5704403060290	1x70	233	D./Cut	18,7	912
65001095	5704403046096	1x95	285	D./Cut	20,8	1156
65001120	5704403043101	1x120	333	D./Cut	22,6	1422
65001150	5704403041183	1x150	386	D./Cut	24,9	1733
65001185	5704403050406	1x185	444	D./Cut	27,5	2079
65001240	5704403045648	1x240	528	D./Cut	30,5	2650
65001300	5704403061976	1x300	612	D./Cut	33,6	3300
65002001	5704403042517	2x1,5	23	D./Cut	8,7	102
65002002	5704403041473	2x2,5	31	D./Cut	9,5	128
65002004	5704403083084	2x4	43	D./Cut	10,7	166
65002006	5704403043484	2x6	55	D./Cut	11,9	216
65002010	5704403045273	2x10	75	D./Cut	14,4	347
65002016	5704403081677	2x16	100	D./Cut	16,0	470
65003001	5704403041121	3x1,5	23	D./Cut	9,4	125
65003001G	5704403041978	3G1,5	23	D./Cut	9,4	125
65003002	5704403041176	3x2,5	31	D./Cut	10,2	160
65003002G	5704403048212	3G2,5	31	D./Cut	10,2	160
65003004	5704403045020	3x4	43	D./Cut	11,5	216
65003006	5704403042524	3x6	55	D./Cut	12,7	279
65003006G	5704403083091	3G6	55	D./Cut	12,7	279
65003010	5704403042531	3x10	75	D./Cut	15,5	455
65003016	5704403042548	3x16	87	D./Cut	17,7	642
65003025	5704403042555	3x25	110	D./Cut	21,4	948
65003035	5704403042562	3x35	137	D./Cut	24,4	1265
65003050	5704403042647	3x50	167	D./Cut	28,2	1739
65003070	5704403042579	3x70	214	D./Cut	30,9	2330
65003095	5704403042586	3x95	259	D./Cut	37,3	3145
65003120	5704403042593	3x120	301	D./Cut	41,2	3931
65003150	5704403058204	3x150	347	D./Cut	45,9	4826
65003185	5704403047345	3x185	397	D./Cut	51,7	5870
65003240	5704403048229	3x240	468	D./Cut	58,1	7573
65004001	5704403041480	4x1,5	20	D./Cut	10,2	150
65004001G	5704403042937	4G1,5	20	D./Cut	10,2	150
65004002	5704403041510	4x2,5	28	D./Cut	11,2	198
65004002G	5704403042944	4G2,5	28	D./Cut	11,2	198
65004004	5704403042609	4x4	37	D./Cut	12,6	266
65004006	5704403042616	4x6	47	D./Cut	14,6	386
65004010	5704403043491	4x10	65	D./Cut	17,1	575
65004016	5704403043507	4x16	87	D./Cut	19,8	822
65004025	5704403042623	4x25	110	D./Cut	24,0	1219

Installation cables, screened



## TOXFREE® XTCuZ1-K (AS), screened - 0.6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
65004035	5704403056811	4x35	137	D./Cut	26,3	1616
65004050	5704403053476	4x50	167	D./Cut	31,7	2252
65004070	5704403060948	4x70	214	D./Cut	36,6	3152
65004095	5704403083107	4x95	259	D./Cut	41,5	4086
65004120	5704403055562	4x120	301	D./Cut	45,6	5093
65004150	-	4x150	347	D./Cut	51,0	6326
65004185	-	4x185	397	D./Cut	57,4	7696
65004240	-	4x240	468	D./Cut	64,5	9945
65005001 **	5704403041138	5x1,5	20	D./Cut	10,9	177
65005001G	5704403041985	5G1,5	20	D./Cut	10,9	177
65005002 **	5704403041503	5x2,5	28	D./Cut	12,3	239
65005002G	5704403041992	5G2,5	28	D./Cut	12,3	239
65005004 **	-	5x4	37	D./Cut	14,4	358
65005006 **	-	5x6	47	D./Cut	15,9	467
65005010 **	-	5x10	65	D./Cut	18,6	700
65005016 **	-	5x16	87	D./Cut	21,7	1010
65005016G	5704403083114	5G16	87	D./Cut	21,7	1010
65005025 **	-	5x25	110	D./Cut	26,3	1511
65005025G	5704403083121	5G25	110	D./Cut	26,3	1511
65005035 **	-	5x35	137	D./Cut	29,5	2022
65005050 **	-	5x50	167	D./Cut	34,9	2806
65005050G	5704403098453	5G50	167	D./Cut	34,9	2806
65007001 **	5704403041145	7x1,5	11	D./Cut	11,9	219
65012001 **	5704403042630	12x1,5	9	D./Cut	15,2	369
65012002G	5704403059089	12G2,5	12,5	D./Cut	18,1	518
65016001 **	5704403059089	16x1,5	8	D./Cut	17,5	474
65019001 **	5704403041497	19x1,5	7,5	D./Cut	18,2	529
65024001 **	5704403045037	24x1,5	7	D./Cut	20,4	648

\* The values can have small deviations

# Instrument cables, screened



## TOXFREE® MARINE X02Z1-K (AS) - 150/250 V

### Application:

X02Z1-K (AS) is a highly flexible cable for permanent installation on ships and offshore units. The cable is particularly suitable for power circuits where shielding is required, or areas which requires additional protection against possible shock. The cable material is halogen free, has low smoke emission and is fire retardant.



### Construction:

Conductor: Electrolytic annealed Cu, class 5 acc. to IEC 60228:2004  
 Insulation: LSZH XLPE  
 Conductor color: Twisted pair (blue/white), numbered  
 Screen: Overall screen of aluminum. Polyester tape with tinned copper drain wire  
 Outer sheath: LSZH thermoplastic polyolefine SHF1, grey

### Technical data:

Working temperature: -40° C to +90° C  
 Rated voltage: 150/250 V  
 Bend radius: 4 x cable diameter  
 Technical comments: Short circuit temperature: max 250° C / 5 sec.

### Approvals:

IEC 60092-376, IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 cat. A, IEC 60754-1/2, IEC 61034-1/2, DNV, CE, RoHS



### Properties and installation:

Bending radius 4 x cable diameter	Can lay in tubes	Electromagnetically protected	Environmentally friendly	Fire retardant acc. to IEC 60332-3	Flame retardant acc. to IEC 60332-1
Flexible	For permanent outdoor installation	For use in cable trays	For use on ships	Halogen free	Impact resistance: medium
Low emission of corrosive gases acc. to IEC 60754	Low smoke emission during fire acc. to 61034	Max. short circuit temp. +250° C	Max. working temp. +90° C	Meter marked	Min. working temperature -40° C
Outdoor decommissioning	Resistance towards oil and chemicals	Suited for public places	Suited for wall attachment	Water resistant	

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
61520175	5704403056842	1x2x0,75	17,1	D./Cut	6,2	50
61520275	5704403056859	2x2x0,75	13,7	D./Cut	10,3	90
61520475	5704403056866	4x2x0,75	11,2	D./Cut	12,1	140
61520775	5704403056873	7x2x0,75	9,2	D./Cut	14,5	210
61521075	5704403056880	10x2x0,75	8,6	D./Cut	18,7	290
61521475	5704403056897	14x2x0,75	7,4	D./Cut	20,4	370

\* The values can have small deviations

# Instrument cables, screened



## TOXFREE® MARINE X03Z1-K (AS) - 150/250 V

### Application:

X03Z1-K (AS) is a highly flexible cable for permanent installation on ships and offshore units. The cable is particularly suitable for power circuits where shielding is required, or areas which requires additional protection against possible shock. The cable material is halogen free, has low smoke emission and is fire retardant.



### Construction:

- Conductor: Electrolytic annealed Cu, class 5 acc. to IEC 60228:2004
- Insulation: LSZH XLPE
- Conductor color: Twisted pair (blue/white), numbered
- Screen: Individual and overall screen of aluminum. Polyester tape with Cu drain wire
- Outer sheath: LSZH thermoplastic polyolefine SHF1, grey

### Technical data:

- Working temperature: -40 °C to +90 °C
- Rated voltage: 150/250 V
- Bend radius: 4 x cable diameter
- Technical comments: Short circuit temperature: max 250° C / 5 sec.

### Approvals:

IEC 60092-376, IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 cat. A, IEC 60754-1/2, IEC 61034-1/2, DNV, CE, RoHS



### Properties and installation:

- Bending radius 4 x cable diameter
- Can lay in tubes
- Electromagnetically protected
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For permanent outdoor installation
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Max. short circuit temp. +250° C
- Max. working temp. +90° C
- Meter marked
- Min. working temperature -40° C
- Oil resistant
- Outdoor decommissioning
- Suitable for bricking
- Suited for public places
- Water resistant

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
61820475	5704403064502	4x2x0,75	11,2	D./Cut	12,3	190

\* The values can have small deviations

# Instrument cables, screened



## TOXFREE® MARINE XO2TCuZ1-K (AS) - 150/250 V

### Application:

XO2TCuZ1-K (AS) is a highly flexible cable for permanent installation on ships and offshore units. The cable is particularly suitable for power circuits where shielding is required, or areas which requires additional protection against possible shock. The cable material is halogen free, has low smoke emission and is fire retardant.



### Construction:

- Conductor: Electrolytic annealed Cu, class 5 acc. to IEC 60228:2004
- Insulation: LSZH XLPE
- Conductor color: Twisted pair (blue/white), numbered
- Screen: Overall screen of aluminum. Polyester tape with Cu drain wire. Cu wire braid armour over the collective screen.
- Outer sheath: LSZH thermoplastic polyolefine SHF1, grey

### Technical data:

- Working temperature: -40° C to +90° C
- Rated voltage: 150/250 V
- Bend radius: 4 x cable diameter
- Technical comments: Short circuit temperature: max 250° C / 5 sec.

### Approvals:

IEC 60092-376, IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 cat. A, IEC 60754-1/2, IEC 61034-1/2, DNV, CE, RoHS



### Properties and installation:

- Bending radius 4 x cable diameter
- Can lay in tubes
- Electromagnetically protected
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For permanent outdoor installation
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Max. working temp. +90° C
- Meter marked
- Min. working temperature -40° C
- Outdoor decommissioning
- Resistance towards oil and chemicals
- Suited for public places
- Suited for wall attachment
- Water resistant

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
61620175	5704403056903	1x2x0,75	17,1	D./Cut	7,2	90
61620275	5704403056910	2x2x0,75	13,7	D./Cut	11,3	150
61620475	5704403056927	4x2x0,75	11,2	D./Cut	13,1	215
61620775	5704403056934	7x2x0,75	9,2	D./Cut	15,9	340
61621075	5704403065950	10x2x0,75	8,6	D./Cut	20,2	470
61621475	5704403060276	14x2x0,75	7,4	D./Cut	21,9	605
61621974	5704403065974	19x2x0,75	6,5	D./Cut	24,9	795

\* The values can have small deviations



# Instrument cables, screened



## TOXFREE® MARINE X03TCuZ1-K (AS) - 150/250 V

### Application:

X03TCuZ1-K (AS) is a highly flexible cable for permanent installation on ships and offshore units. The cable is particularly suitable for power circuits where shielding is required, or areas which requires additional protection against possible shock. The cable material is halogen free, has low smoke emission and is fire retardant.



### Construction:

- Conductor: Electrolytic annealed Cu, class 5 acc. to IEC 60228:2004
- Insulation: LSZH XLPE
- Conductor color: Twisted pair (blue/white), numbered
- Screen: Individual and overall screen of aluminum. Polyester tape with Cu drain wire. Cu wire braid armour over the collective screen
- Outer sheath: LSZH thermoplastic polyolefine SHF1, grey

### Technical data:

- Working temperature: -40 °C to +90 °C
- Rated voltage: 150/250 V
- Bend radius: 4 x cable diameter
- Technical comments: Short circuit temperature: max 250° C / 5 sec.

### Approvals:

IEC 60092-376, IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 cat. A, IEC 60754-1/2, IEC 61034-1/2, DNV, CE, RoHS



### Properties and installation:

- Bending radius 4 x cable diameter
- Can lay in tubes
- Electromagnetically protected
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For permanent outdoor installation
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Max. working temp. +90° C
- Meter marked
- Min. working temperature -40° C
- Oil resistant
- Outdoor decommissioning
- Suitable for bricking
- Suited for public places
- Water resistant

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
61620175	5704403056903	1x2x0,75	17,1	D./Cut	7,2	90
61720275	5704403062928	2x2x0,75	-	D./Cut	11,3	150
61720475	5704403058587	4x2x0,75	-	D./Cut	13,1	215
61720775	5704403069439	7x2x0,75	-	D./Cut	16,0	390
61721075	5704403069446	10x2x0,75	-	D./Cut	20,3	510
61721475	-	14x2x0,75	-	D./Cut	21,9	605

\* The values can have small deviations

# TOXFREE® MARINE ROZ1-K (AS) VFD EMC 0,6/1

**Application:**

TOXFREE MARINE ROZ1-K (AS) VFD EMC is especially suitable for all use where the demand is for double shielded cables in connection with EMC. The cable is used in industrial- and building installations, in public buildings, power plants, and engine installations or anywhere where there is a demand for 0.6/1 kV shielded, halogen free, 90° C cable. The cable may be laid directly in the ground.



**Construction:**

- Conductor: Flexible electrolytic Cu, class 5
- Insulation: XLPE
- Conductor color: According to HD 308
- Filling sheath: Flexible halogen free material
- Screen: 100% covering screen consisting of: aluminum / polyester separator and tinned braided Cu screen
- Outer sheath: Extra flexible halogen free compound, black

**Technical data:**

- Working temperature: -30 °C to +90 °C (for shorter periods down to -40 °C)
- Rated voltage: 0.6/1 kV
- Bend radius: 10 x cable diameter
- Technical comments: Current value A is measured at 30 °C

**Approvals:**

IEC 60092-353, IEC 60754-1, IEC 60754-2, IEC 60332-1, IEC 60332-3, IEC 61034-1, IEC 61034-2, DNV, KEMA-KEUR, CE, RoHS



**Properties and installation:**

- Bending radius 10 x cable diameter
- Can be buried
- Can lay in tubes
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For industrial use
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Max. short circuit temp. +250° C
- Max. working temp. +90° C
- Meter marked
- Outdoor decommissioning
- Resistance towards oil and chemicals
- UV-resistant
- Water resistant

## TOXFREE® MARINE ROZ1-K (AS) VFD EMC 0,6/1

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
32093016	5704403047161	3x16+3G2,5	100	D./Cut	17,6	710
32093025	5704403047178	3x25+3G4	127	D./Cut	21,5	1000
32093035	5704403038329	3x35+3G6	158	D./Cut	24,2	1400
32093050	5704403046034	3x50+3G10	198	D./Cut	28,5	2000
32093070	5704403044429	3x70+3G10	246	D./Cut	32,0	2605
32093095	5704403043613	3x95+3G16	298	D./Cut	36,5	3445
32093120	5704403045655	3x120+3G16	346	D./Cut	40,5	4220
32093150	5704403038350	3x150+3G25	399	D./Cut	45,2	5344
32093185	5704403038367	3x185+3G35	456	D./Cut	51,0	6686
32093240	5704403038374	3x240+3G50	538	D./Cut	56,9	8759

\* The values can have small deviations

# TOXFREE® MARINE ROZ1-K (AS) VFD EMC - 1.8/3

**Application:**

TOXFREE MARINE ROZ1-K (AS) VFD EMC is especially suitable for all use where the demand is for double shielded cables in connection with EMC. The cable is used in industrial- and building installations, in public buildings, power plants, and engine installations or anywhere where there is a demand for 0.6/1 kV shielded, halogen free, 90° C cable. The cable may be laid directly in the ground.



**Construction:**

- Conductor: Flexible electrolytic Cu, class 5
- Insulation: XLPE
- Conductor color: According to HD 308
- Filling sheath: Flexible halogen free material
- Screen: 100% covering screen consisting of: aluminum / polyester separator and tinned braided Cu screen
- Outer sheath: Extra flexible halogen free compound, black

**Technical data:**

- Working temperature: -30 °C to +90 °C (for shorter periods down to -40 °C)
- Rated voltage: 1.8/3 kV
- Bend radius: 10 x cable diameter
- Technical comments: Current value A is measured at 30 °C

**Approvals:**

IEC 60092-353, IEC 60754-1, IEC 60754-2, IEC 60332-1, IEC 60332-3, IEC 61034-1, IEC 61034-2, DNV, KEMA-KEUR, CE, RoHS



**Properties and installation:**

- Bending radius 10 x cable diameter
- Can be buried
- Can lay in tubes
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For industrial use
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Max. short circuit temp. +250° C
- Max. working temp. +90° C
- Meter marked
- Outdoor decommissioning
- Resistance towards oil and chemicals
- UV-resistant
- Water resistant

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
65113120	5704403175123	3x120+3G16	346	D./Cut	40,5	4220
65113150	5704403175130	3x150+3G25	399	D./Cut	45,2	5344
65113185	5704403175147	3x185+3G35	456	D./Cut	51,0	6686
65113240	5704403175154	3x240+3G50	538	D./Cut	56,9	8759

\* The values can have small deviations

# 4x2xAWG 23/1 S/FTP Cat. 7, UV - marine

**Application:**

The cable is used in telecommunication network for transmission of digital and analogical signals up to 1000 MHz. Due to its unique design and UV resistance, the cable is suitable for installation in maritime and offshore environments, but it can also be used for industrial use, where demands are made for increased fire safety. The cable is UV resistant, marine approved and paired, individually screened.



**Construction:**

- Conductor: Bare solid Cu
- Insulation: SFS PE, diameter 1.38 mm
- Conductor color: According to IEC 708-1
- Screen: Plastic laminated aluminium foil, tinned braided Cu screen
- Outer sheath: Halogen free, black or orange, UV resistant

**Technical data:**

- Working temperature: Fixed: -20 °C to +60 °C
- Test voltage: 700 V AC
- Bend radius: Flexible: 8 x cable diameter // Fixed: 4 x cable diameter
- Technical comments: Capacitance: nom. 45 nF/km  
 Insulation resistance:  $\geq 5 \text{ G}\Omega/\text{km}$   
 Velocity of propagation: ca. 0.79 c (NVP)  
 Char. impedance (1...100 MHz):  $100 \Omega \pm 5 \Omega$   
 Loop resistance: max. 150  $\Omega/\text{km}$   
 Screening until 600 MHz:  $> 100 \text{ dB}$

**Approvals:**

EN 60332-1-2, EN 60332-3-22, EN 61034, EN 50267, IEC 60754-1, IEC 60754-2, IEC 60811-2-1, Germanischer Lloyd, CE, RoHS



**Properties and installation:**

- Can lay in tubes
- Electromagnetically protected
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- For industrial use
- For use in cable trays
- For use in homes
- For use on oil rigs
- For use on ships
- Halogen free
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Max. working temp. +60° C
- Min. working temperature -20° C
- Outdoor decommissioning
- Suited for public places
- UV-resistant
- Water resistant
- Withstands moisture

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
100251039	5704403053698	4x2xAWG23	-	Tr.-500	7,7	76

\* The values can have small deviations



## 4x2xAWG 24/1 CAT6 S/FTP LSZH-SHF1 - Black

### Application:

The cable is used in telecommunication network for transmission of digital and analogical signals up to 250 MHz. Due to its unique design and UV resistance, the cable is suitable for installation in maritime and offshore environments, but it can also be used for industrial use, where demands are made for increased fire safety. The cable is UV resistant, marine approved and paired, individually screened.

### Construction:

Conductor:	Bare, annealed copper (24 AWG)
Insulation:	Cellular PO (1.04 mm)
Conductor color:	TIA/EIA 568-B
Screen:	Braided, annealed tinned copper (55% coverage) Paired, individually screened foil (100% coverage)
Outer sheath:	Black, FR-LSZH



### Technical data:

Working temperature:	-40 °C to +85 °C
Technical comments:	Frequency range: 1-250 MHz Impedans: 100 Ω Transfer impedance: grade 1 Coupling attenuation: type 1 DC-modstand: 90 Ω/km Max. resistance unbalance: 2% Capacitance unbalance: 1.2 pF/m max. Velocity of propagation: 78% Propagation delay skew: max. 25 ns/100 m Dielectric strength: 700 V/minut Dielectric strength to shield: 700 V/minut Insulation resistance (min.): 5 GΩ x km Tensile strength: max. 130 N/mm <sup>2</sup>

### Approvals:

IEC 60092-359, IEC 60092-350, IEC 61156-6, IEC 61156, IEEE 802.3at (PoE+), ISO/IEC 11801, RoHS-2 2011/65/EU, IEC 60332-1, IEC 60332-3-22, IEC 60332-3, IEC 60754-1/2, IEC 61034-1/2, UL 1581 VW-1



# 4x2xAWG 24/1 CAT6 S/FTP LSZH-SHF1 - Black

**Properties and installation:**

-  Can lay in tubes
-  Electromagnetically protected
-  Environmentally friendly
-  Fire retardant acc. to IEC 60332-3
-  Fire retardant acc. to IEC 60332-3-22 (CAT-A)
-  Flame retardant acc. to IEC 60332-1
-  For industrial use
-  For permanent outdoor installation
-  For use in cable trays
-  For use in homes
-  For use in wind turbines
-  For use on oil rigs
-  For use on ships
-  Halogen free
-  Low emission of corrosive gases acc. to IEC 60754
-  Low smoke emission during fire acc. to 61034
-  Max. working temp. +85° C
-  Meter marked
-  Min. working temperature -40° C
-  Oil resistant
-  Outdoor decommissioning
-  Suited for public places
-  UV-resistant
-  Water resistant
-  Withstands freezing
-  Withstands moisture

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
100250153	5704403125685	4x2xAWG24	-	D./Cut	7,2	58

\* The values can have small deviations

# Installation cables - fireproof



## TOXFREE® XZ1-K (AS+) IEC 60331 - 0,6/1 kV

### Application:

XZ1-K (AS+) IEC 60331 is suited for fixed installations on ships and offshore units in all locations. The cable material is halogen free, has low fumes emission, fire retardant and fire resistant. The cable are especially suitable for the installation in ships in power, lighting and control circuits.

### Construction:

- Conductor: Electrolytic annealed Cu, class 5
- Insulation: Mica tape + halogen free XLPE
- Conductor color:
  - 1 conductor: transparent
  - 2 conductors: blue, brown
  - 3 conductors: brown, black, grey
  - 4 conductors: brown, black, grey, blue
  - ≥ 5 conductors: with white numbers
- Filling sheath: If needed, the filler is thermoplastic polyolefin of natural colour
- Outer sheath: Halogenfree thermoplastic polyolefin type SHF1, orange



### Technical data:

- Working temperature: -40° C to +90° C
- Rated voltage: 0.6/1 kV
- Bend radius:
  - < or equal with 25 mm: 4 x cable diameter
  - > or equal with 25 mm: 6 x cable diameter
- Technical comments: Short circuit temp.: max 250° C / 5 sec.  
Current value A is measured at 45° C

**CPR-klasificering:** Rekvirer DoP på [dop@scankab.dk](mailto:dop@scankab.dk)

### Approvals:

EN 50575, IEC 60092-353, IEC 60332-1-2, IEC 60332-3-22, IEC 60331-21, IEC 60754-1, IEC 60754-2, IEC 61034-2, IEC 60092-351, CE, RoHS, Bureau Veritas, DNV, Lloyd's Register



### Properties and installation:

- Bending radius 4 x cable diameter
- Bending radius 6 x cable diameter
- Can lay in tubes
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For emergency circuits
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to IEC 61034
- Max. short circuit temp. +250° C
- Max. working temp. +90° C
- Min. working temperature -40° C
- Operation secured acc. to IEC 60331
- Outdoor decommissioning
- Resistance towards oil and chemicals
- Suited for public places
- Suited for wall attachment
- Water resistant

## TOXFREE® XZ1-K (AS+) IEC 60331 - 0,6/1 kV

SKU	EAN	CPR	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
697001006	5704403141074	C <sub>ca</sub> -s1,d1,a1	1x6	46	D./Cut	8,4	106
697001010	5704403141081	C <sub>ca</sub> -s1,d1,a1	1x10	64	D./Cut	9,4	159
697001016	5704403141098	C <sub>ca</sub> -s1,d1,a1	1x16	88	D./Cut	10,4	219
697001025	5704403141104	C <sub>ca</sub> -s1,d1,a1	1x25	117	D./Cut	11,8	298
697001035	5704403141111	C <sub>ca</sub> -s1,d1,a1	1x35	147	D./Cut	13,0	391
697001050	5704403141128	C <sub>ca</sub> -s1,d1,a1	1x50	180	D./Cut	14,4	533
697001070	5704403134120	C <sub>ca</sub> -s1,d1,a1	1x70	233	D./Cut	16,2	732
697001095	5704403141135	C <sub>ca</sub> -s1,d1,a1	1x95	285	D./Cut	18,0	942
697001120	5704403141142	C <sub>ca</sub> -s1,d1,a1	1x120	333	D./Cut	20,2	1188
697001150	5704403141159	C <sub>ca</sub> -s1,d1,a1	1x150	386	D./Cut	22,1	1479
697001185	5704403141166	C <sub>ca</sub> -s1,d1,a1	1x185	444	D./Cut	24,3	1788
697001240	5704403141173	C <sub>ca</sub> -s1,d1,a1	1x240	528	D./Cut	26,9	2312
697002001	5704403141180	C <sub>ca</sub> -s1,d1,a1	2x1,5	23	D./Cut	10,2	105
697002002	5704403141197	C <sub>ca</sub> -s1,d1,a1	2x2,5	31	D./Cut	10,4	153
697002004	5704403141203	C <sub>ca</sub> -s1,d1,a1	2x4	43	D./Cut	11,4	178
697002006	5704403141210	C <sub>ca</sub> -s1,d1,a1	2x6	55	D./Cut	12,3	230
697002010	5704403141227	C <sub>ca</sub> -s1,d1,a1	2x10	75	D./Cut	14,6	339
697002016	5704403141234	C <sub>ca</sub> -s1,d1,a1	2x16	100	D./Cut	16,6	507
697003001G	5704403141241	C <sub>ca</sub> -s1,d1,a1	3G1,5	23	D./Cut	11,3	126
697003002G	5704403141258	C <sub>ca</sub> -s1,d1,a1	3G2,5	31	D./Cut	11,6	180
697003004G	5704403141265	C <sub>ca</sub> -s1,d1,a1	3G4	43	D./Cut	12,5	221
697003006G	5704403141272	C <sub>ca</sub> -s1,d1,a1	3G6	55	D./Cut	13,5	289
697003010G	5704403141289	C <sub>ca</sub> -s1,d1,a1	3G10	75	D./Cut	15,3	436
697003016	5704403141296	C <sub>ca</sub> -s1,d1,a1	3x16	87	D./Cut	17,7	649
697003025	5704403141302	C <sub>ca</sub> -s1,d1,a1	3x25	110	D./Cut	22,5	982
697003035	5704403141319	C <sub>ca</sub> -s1,d1,a1	3x35	137	D./Cut	25,5	1310
697003050	5704403141326	C <sub>ca</sub> -s1,d1,a1	3x50	167	D./Cut	28,3	1792
697003070	5704403141333	C <sub>ca</sub> -s1,d1,a1	3x70	214	D./Cut	31,1	2484
697004001G	5704403141340	C <sub>ca</sub> -s1,d1,a1	4G1,5	20	D./Cut	12,2	155
697004002G	5704403141357	C <sub>ca</sub> -s1,d1,a1	4G2,5	28	D./Cut	12,4	217
697004004G	5704403141364	C <sub>ca</sub> -s1,d1,a1	4G4	37	D./Cut	13,6	305
697004006G	5704403141371	C <sub>ca</sub> -s1,d1,a1	4G6	47	D./Cut	15,1	397
697004010	5704403141388	C <sub>ca</sub> -s1,d1,a1	4x10	65	D./Cut	17,1	626
697004016	5704403141395	C <sub>ca</sub> -s1,d1,a1	4x16	87	D./Cut	19,5	893
697004025	5704403141401	C <sub>ca</sub> -s1,d1,a1	4x25	110	D./Cut	25,0	1242
697004035	5704403141418	C <sub>ca</sub> -s1,d1,a1	4x35	137	D./Cut	27,3	1661
697004050	5704403141425	C <sub>ca</sub> -s1,d1,a1	4x50	167	D./Cut	31,3	2295
697004070	5704403141432	C <sub>ca</sub> -s1,d1,a1	4x70	214	D./Cut	36,2	3183
697004095	5704403141449	C <sub>ca</sub> -s1,d1,a1	4x95	259	D./Cut	40,4	4109
697004120	5704403141456	C <sub>ca</sub> -s1,d1,a1	4x120	301	D./Cut	46,0	5187
697004240	5704403141463	C <sub>ca</sub> -s1,d1,a1	4x240	468	D./Cut	62,2	10538
697005001	5704403144570	C <sub>ca</sub> -s1,d1,a1	5x1,5	20	D./Cut	13,6	199
697005001G	5704403141470	C <sub>ca</sub> -s1,d1,a1	5G1,5	20	D./Cut	13,6	183
697005002G	5704403141487	C <sub>ca</sub> -s1,d1,a1	5G2,5	28	D./Cut	13,8	258
697005004G	5704403141494	C <sub>ca</sub> -s1,d1,a1	5G4	37	D./Cut	15,0	363
697005006G	5704403141500	C <sub>ca</sub> -s1,d1,a1	5G6	47	D./Cut	16,4	477
697005010G	5704403141517	C <sub>ca</sub> -s1,d1,a1	5G10	65	D./Cut	18,6	764
697005016G	5704403141548	C <sub>ca</sub> -s1,d1,a1	5G16	87	D./Cut	21,5	1093

## TOXFREE® XZ1-K (AS+) IEC 60331 - 0,6/1 kV

SKU	EAN	CPR	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
697005025G	5704403141579	C <sub>ca</sub> -s1,d1,a1	5x25	110	D./Cut	27,2	1517
697005035G	5704403141593	C <sub>ca</sub> -s1,d1,a1	5G35	137	D./Cut	30,5	2024
697005050G	5704403141609	C <sub>ca</sub> -s1,d1,a1	5G50	167	D./Cut	35,0	2846
697007001	5704403144587	C <sub>ca</sub> -s1,d1,a1	7x1,5	11	D./Cut	12,9	240

\* The values can have small deviations



# Installation cables, screened - fireproof



## TOXFREE® XTCuZ1-K (AS+), IEC 60331 - 0,6/1 kV

### Application:

XTCuZ1-K (AS+) - screened IEC 60331 is suited for fixed installations on ships and offshore units in all locations. The cable material is halogen free, has low fumes emission, fire retardant and fire resistant. The cable are especially suitable for the installation in ships in power, lighting and control circuits.

### Construction:

- Conductor: Electrolytic annealed Cu, class 5
- Insulation: Mica tape + halogen free XLPE
- Conductor color: According to HD 308
- Screen: Foil screen  
Braided tinned Cu screen
- Outer sheath: Halogenfree thermoplastic polyolefin type SHF1, orange



### Technical data:

- Working temperature: -40 °C to +90 °C
- Rated voltage: 0,6/1 kV
- Bend radius: 6 x cable diameter
- Conductor temperature: Min. -15° C
- Technical comments: Short circuit temp.: max 250° C / 5 sec.  
Current value A is measured at 45° C

### Approvals:

IEC 60092-353, IEC 60332-1-2, IEC 60332-3-22, IEC 60331-21, IEC 60754-1, IEC 60754-2, IEC 61034-2, IEC 60092-351, CE, RoHS, Bureau Veritas, DNV, Lloyd's Register



### Properties and installation:

- Bending radius 6 x cable diameter
- Can lay in tubes
- Electromagnetically protected
- Environmentally friendly
- Fire retardant acc. to IEC 60332-3
- Flame retardant acc. to IEC 60332-1
- Flexible
- For emergency circuits
- For use in cable trays
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Max. short circuit temp. +250° C
- Max. working temp. +90° C
- Min. working temperature -40° C
- Oil resistant
- Operation secured acc. to IEC 60331
- Outdoor decommissioning
- Suitable for bricking
- Suited for public places
- Water resistant

Installation cables, screened - fireproof



## TOXFREE® XTCuZ1-K (AS+), IEC 60331 - 0,6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
66102001	5704403065554	2x1,5	23	D./Cut	12,1	120
66102002	5704403065578	2x2,5	31	T./D.	12,4	145
66102004	-	2x4	43	T./D.	12,9	195
66102006	-	2x6	55	T./D.	14,3	240
66102010	-	2x10	75	T./D.	17,4	380
66102016	-	2x16	100	T./D.	19,2	515
66103001	5704403065561	3x1,5	23	T./D.	12,2	145
66103001G	-	3G1,5	23	T./D.	12,2	145
66103002	5704403065585	3x2,5	31	T./D.	12,9	190
66103002G	5704403062515	3G2,5	31	T./D.	12,9	190
66103004	5704403084654	3x4	43	T./D.	13,8	245
66103006	5704403084661	3x6	55	T./D.	15,3	345
66103010	5704403084678	3x10	75	T./D.	18,0	505
66103016	5704403084685	3x16	87	T./D.	20,2	695
66103025	-	3x25	110	T./D.	24,2	1025
66103035	5704403084692	3x35	137	T./D.	27,4	1355
66103050	5704403084708	3x50	167	T./D.	31,6	1840
66103070	-	3x70	214	T./D.	33,7	2455
66103095	-	3x95	259	T./D.	39,1	3315
66103120	-	3x120	301	T./D.	45,7	4115
66103150	-	3x150	347	T./D.	49,2	5060
66103185	-	3x185	397	T./D.	54,5	6116
66103240	-	3x240	468	T./D.	60,0	7880
66104001	5704403077472	4x1,5	20	T./D.	13,0	180
66104001G	-	4G1,5	20	T./D.	13,0	180
66104002	-	4x2,5	28	T./D.	14,0	225
66104002G	-	4G2,5	28	T./D.	14,0	225
66104004	5704403150427	4x4	37	T./D.	14,6	335
66104006	-	4x6	47	T./D.	17,0	430
66104010	5704403084715	4x10	65	T./D.	19,8	630
66104016	-	4x16	87	T./D.	22,4	890
66104025	-	4x25	110	T./D.	27,2	1315
66104035	-	4x35	137	T./D.	29,4	1730
66104050	-	4x50	167	T./D.	35,2	2395
66104070	-	4x70	214	T./D.	38,9	3315
66104095	-	4x95	259	T./D.	43,8	4284
66104120	-	4x120	301	T./D.	50,3	5350
66104150	-	4x150	347	T./D.	55,6	6630
66104185	-	4x185	397	T./D.	60,3	8025
66104240	-	4x240	468	T./D.	65,9	10380
66105001	5704403065608	5x1,5	20	T./D.	14,2	210
66105001G	5704403062508	5G1,5	20	T./D.	14,2	210
66105002	-	5x2,5	28	T./D.	15,3	310
66105002G	-	5G2,5	28	T./D.	15,3	310
66105004	-	5x4	37	T./D.	17,8	400
66105006	-	5x6	47	T./D.	19,5	525
66105010	-	5x10	65	T./D.	21,5	775
66105016	-	5x16	87	T./D.	25,3	1100

Installation cables, screened - fireproof



## TOXFREE® XTCuZ1-K (AS+), IEC 60331 - 0,6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
66105025	-	5x25	110	T./D.	29,7	1630
66105035	-	5x35	137	T./D.	33,5	2165
66105050	-	5x50	167	T./D.	38,5	3065
66107001	5704403084623	7x1,5	11	T./D.	15,0	290
66107002	-	7x2,5	15	T./D.	16,8	380
66110001	-	10x1,5	10	T./D.	18,6	390
66112001	5704403084647	12x1,5	9	T./D.	19,0	440
66112002	-	12x2,5	12,5	T./D.	21,5	600
66114001	-	14x1,5	8,5	T./D.	20,3	495
66116001	-	16x1,5	8	T./D.	22,1	560
66118001G	-	18G1,5	-	T./D.	-	-
66119001	5704403083145	19x1,5	7,5	T./D.	22,8	625
66119002	-	19x2,5	11	T./D.	24,8	860
66124001	-	24x1,5	7	T./D.	24,9	765
66127001	-	27x1,5	6,5	T./D.	26,9	855
66127002	-	27x2,5	9	T./D.	30,7	1165
66137001	-	37x1,5	5,5	T./D.	29,1	1080

\* The values can have small deviations

# TOXFREE® MARINE XO2TCuZ1-K (AS+), collective

**Application:**

XO2TCuZ1-K (AS+) is a very flexible fireproof shielded instrument cable for fixed installation on marine vessels. The cable is particularly suitable for installations in which shielding is required. The cable is halogen free, with low smoke emission and fire retardant.



**Construction:**

- Conductor: Electrolytic tinned annealed Cu, class 5 acc. to IEC 60228
- Insulation: Mica tape + halogen free XLPE
- Conductor color: Twisted pair (blue/white)
- Screen: Overall screen of polyester tape and aluminum, mounted to the polyester screen with a Cu drain wire in direct contact with the aluminium.  
Tinned Cu wire braid over the collective screen.
- Outer sheath: LSZH thermoplastic polyolefine SHF1, orange

**Technical data:**

- Working temperature: -40° C to +90° C
- Rated voltage: 150/250 V
- Bend radius: Diameter ≤ 25 mm: 4 x cable diameter  
Diameter ≥ 25 mm: 6 x cable diameter
- Technical comments: Short circuit temperature: max 250° C / 5 sec.

**Approvals:**

IEC 60092-376, IEC 60092-352/360/376, IEC 60364-5-52, IEC 60332-1-2, IEC 60332-3-22 cat. A, IEC 60754-1/2, IEC 61034-2, IEC 60331-21, DNV, CE, RoHS



**Properties and installation:**

Bending radius 4 x cable diameter	Can lay in tubes	Electromagnetically protected	Environmentally friendly	Fire retardant acc. to IEC 60332-3	Flame retardant acc. to IEC 60332-1
Flexible	For emergency circuits	For permanent outdoor installation	For use in cable trays	For use on ships	Halogen free
Impact resistance: medium	Low emission of corrosive gases acc. to IEC 60754	Low smoke emission during fire acc. to 61034	Max. working temp. +90° C	Meter marked	Min. working temperature -40° C
Operation secured acc. to IEC 60331	Outdoor decommissioning	Resistance towards oil and chemicals	Suited for public places	Suited for wall attachment	Water resistant

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
662012075	5704403085613	1x2x0,75	17,1	D./Cut	10,5	145
662022075	5704403085620	2x2x0,75	13,7	D./Cut	14,3	230
662042075	5704403085637	4x2x0,75	11,2	D./Cut	18,1	375
662072075	5704403087846	7x2x0,75	9,2	D./Cut	21,0	605

\* The values can have small deviations

## RFOU P1/P8 - 0.6/1 kV

### Application:

RFOU P1/P8 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

### Construction:

Conductor:	Circular tinned stranded Cu, class 2
Insulation:	Ethylene propylene rubber (EPR)
Conductor color:	1 conductor: black 2 conductors: blue, brown 3 conductors: brown, black, grey 4 conductors: blue, brown, black, grey 5 conductors: blue, brown, black, grey, black
Filling sheath:	Flame retardant and halogen free compound
Screen:	Tinned annealed copper wire braid
Outer sheath:	Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, black



### Technical data:

















Working temperature:	-30° C to +90° C
Rated voltage:	0.6/1 kV
Test voltage:	3.5 kV

### Approvals:

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-353, NEK 606:2004, RoHS, CE



### Properties and installation:

 Electromagnetically protected	 Fire retardant acc. to IEC 60332-3	 For permanent outdoor installation	 For use in cable trays	 For use on oil rigs	 For use on ships
 Halogen free	 Impact resistance: medium	 Low emission of corrosive gases acc. to IEC 60754	 Low smoke emission during fire acc. to 61034	 90 Max. working temp. +90° C	 Mudresistance NEK TS 606
 Outdoor decommissioning	 Resistance towards oil and chemicals	 UV-resistant	 Water resistant		

## RF0U P1/P8 - 0.6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
67001001	-	1x1,5	23	D./Cut	8,7	140
67001002	-	1x2,5	32	D./Cut	9,2	160
67001004	-	1x4	40	D./Cut	9,8	170
67001006	-	1x6	52	D./Cut	10,4	220
67001010	-	1x10	72	D./Cut	11,4	280
67001016	-	1x16	96	D./Cut	12,5	360
67001025	5704403081448	1x25	127	D./Cut	14,8	480
67001035	5704403060979	1x35	157	D./Cut	16,0	630
67001050	-	1x50	196	D./Cut	17,6	840
67001070	-	1x70	242	D./Cut	19,6	1070
67001095	5704403060962	1x95	293	D./Cut	21,9	1300
67001120	5704403065271	1x120	339	D./Cut	23,9	1700
67001150	5704403049424	1x150	389	D./Cut	25,9	2020
67001185	5704403064106	1x185	444	D./Cut	28,3	2350
67001240	5704403058785	1x240	522	D./Cut	31,1	2920
67001300	-	1x300	601	D./Cut	34,4	3750
67002001	5704403055005	2x1,5	20	D./Cut	12,6	250
67002002	5704403051854	2x2,5	27	D./Cut	14,0	330
67002004	5704403064120	2x4	34	D./Cut	15,2	400
67002006	-	2x6	44	D./Cut	16,3	470
67002010	-	2x10	61	D./Cut	18,4	630
67002016	-	2x16	82	D./Cut	20,5	820
67002025	-	2x25	108	D./Cut	24,3	1200
67002035	-	2x35	133	D./Cut	26,8	1500
67002050	-	2x50	167	D./Cut	29,9	1840
67003001	5704403049462	3x1,5	16	D./Cut	13,2	280
67003001G	5704403047871	3G1,5	16	D./Cut	13,2	280
67003002	5704403047741	3x2,5	22	D./Cut	14,7	380
67003002G	5704403052981	3G2,5	22	D./Cut	14,7	380
67003004	5704403048649	3x4	28	D./Cut	16,0	460
67003006	5704403049431	3x6	36	D./Cut	17,2	550
67003010	5704403047734	3x10	50	D./Cut	19,4	750
67003016	5704403052707	3x16	67	D./Cut	21,7	1000
67003025	5704403064946	3x25	89	D./Cut	25,9	1490
67003035	5704403047826	3x35	110	D./Cut	28,5	1870
67003050	5704403058280	3x50	137	D./Cut	31,8	2380
67003070	5704403049479	3x70	169	D./Cut	37,0	3320
67003070G	5704403047819	3G70	169	D./Cut	37,0	3320
67003095	5704403051885	3x95	205	D./Cut	41,9	4340
67003120	5704403051311	3x120	237	D./Cut	46,7	5490
67003150	5704403048793	3x150	273	D./Cut	51,2	6630
67003185	5704403048694	3x185	311	D./Cut	56,7	8080
67003240	-	3x240	366	D./Cut	62,8	10130
67004001	5704403048656	4x1,5	16	D./Cut	14,7	360
67004001G	5704403076994	4G1,5	16	D./Cut	14,7	360
67004002	5704403053100	4x2,5	21	D./Cut	15,8	440
67004002G	5704403052998	4G2,5	21	D./Cut	15,8	440
67004004	5704403053117	4x4	28	D./Cut	17,3	550



## RFOU P1/P8 - 0.6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
67004004G	5704403065301	4G4	28	D./Cut	17,3	550
67004006	5704403047857	4x6	36	D./Cut	18,6	660
67004006G	5704403078516	4G6	36	D./Cut	18,6	660
67004010	5704403049455	4x10	50	D./Cut	21,1	910
67004016	-	4x16	67	D./Cut	23,7	1230
67004025	-	4x25	89	D./Cut	27,9	1766
67004035	5704403052653	4x35	110	D./Cut	30,8	2266
67004050	-	4x50	137	D./Cut	35,7	3021
67004070	5704403061358	4x70	169	D./Cut	40,7	4330
67004095	5704403091171	4x95	205	D./Cut	46,7	5810
67004120G	5704403055821	4G120	237	D./Cut	51,5	7030
67004150	-	4x150	273	D./Cut	57,0	8610
67004185	-	4x185	311	D./Cut	62,6	10570
67005001	-	5x1,5	13	D./Cut	15,8	420
67005002	5704403053001	5x2,5	18	D./Cut	17,1	510
67005004	-	5x4	23	D./Cut	18,6	640
67005004G	5704403049899	5G4	23	D./Cut	18,6	640
67005006	-	5x6	29	D./Cut	20,1	810
67005010	-	5x10	40	D./Cut	22,9	1110
67005016	-	5x16	54	D./Cut	25,8	1470
67005025	-	5x25	71	D./Cut	31,0	2240
67005035	-	5x35	88	D./Cut	34,7	2820
67005050	-	5x50	110	D./Cut	39,3	3980
67005070	-	5x70	135	D./Cut	45,2	5270
67005095	-	5x95	164	D./Cut	51,3	7570
67007001G	5704403055012	7G1,5	11	D./Cut	16,9	490
67007002	5704403053124	7x2,5	16	D./Cut	18,4	610
67010001	-	10x1,5	11	D./Cut	20,0	680
67010002	-	10x2,5	16	D./Cut	21,9	940
67012001	-	12x1,5	11	D./Cut	21,4	780
67012002	-	12x2,5	16	D./Cut	23,4	980
67014001	-	14x1,5	11	D./Cut	22,4	930
67014002	-	14x2,5	16	D./Cut	24,5	1090
67019001	-	19x1,5	11	D./Cut	24,7	1050
67019002	-	19x2,5	16	D./Cut	27,1	1420
67024001	-	24x1,5	11	D./Cut	27,4	1310
67024002	-	24x2,5	16	D./Cut	30,2	1830
67027001	-	27x1,5	10	D./Cut	29,1	1570
67027002	-	27x2,5	13	D./Cut	32,1	1990
67037001	5704403058174	37x1,5	10	D./Cut	32,9	1820
67037002	-	37x2,5	13	D./Cut	36,7	2600

\* The values can have small deviations

## RFOU(C) S2/S6 - 250 V

**Application:**

RFOU(C) S2/S6 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

**Construction:**

- Conductor: Circular tinned stranded Cu, class 2
- Insulation: Ethylene propylene rubber (EPR)
- Filling sheath: Flame retardant and halogen free compound
- Screen: Common screen: Pair/triple are laid up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire. Pairs/triples are identified by printed numbers on insulated conductors.  
Armour: Tinned annealed copper wire braid
- Outer sheath: Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe blue)



**Technical data:**

















- Working temperature: -30° C to +90° C
- Rated voltage: 250 V
- Test voltage: 1.5 kV

**Approvals:**

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-376, NEK 606:2004, RoHS, CE



**Properties and installation:**

-  Electromagnetically protected
-  Fire retardant acc. to IEC 60332-3
-  For permanent outdoor installation
-  For use in cable trays
-  For use on oil rigs
-  For use on ships
-  Halogen free
-  Impact resistance: medium
-  Low emission of corrosive gases acc. to IEC 60754
-  Low smoke emission during fire acc. to 61034
-  90 Max. working temp. +90° C
-  MUD Mudresistance NEK TS 606
-  Outdoor decommissioning
-  Resistance towards oil and chemicals
-  UV-resistant
-  Water resistant

## RFOU(C) S2/S6 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color:	Diameter (mm)*	Weight (kg/km)*
6730102075	-	1x2x0,75	13	D./Cut	-	10,7	182
673010215	5704403053162	1x2x1,5	20	D./Cut	Grey	11,8	228
673010225	-	1x2x2,5	26	D./Cut	-	12,7	273
6730103075	5704403052820	1x3x0,75	11	D./Cut	Grey	11,4	204
673010315	-	1x3x1,5	16	D./Cut	-	12,3	252
673010325	-	1x3x2,5	21	D./Cut	-	13,3	307
6730202075	5704403052165	2x2x0,75	11	D./Cut	Grey	12,1	250
6730202075B	5704403055357	2x2x0,75	11	D./Cut	Blue	12,1	250
673020215	5704403053155	2x2x1,5	16	D./Cut	Grey	13,1	316
673020215B	5704403053193	2x2x1,5	16	D./Cut	Blue	13,1	316
673020225	-	2x2x2,5	21	D./Cut	-	14,8	431
6730203075	-	2x3x0,75	8	D./Cut	-	16,2	376
673020315	-	2x3x1,5	13	D./Cut	-	18,1	479
673020325	-	2x3x2,5	17	D./Cut	-	20,0	599
6730402075	5704403051939	4x2x0,75	7	D./Cut	Grey	17,0	464
673040215	5704403053018	4x2x1,5	11	D./Cut	Grey	18,8	594
673040225	-	4x2x2,5	15	D./Cut	-	20,8	754
6730403075	5704403088478	4x3x0,75	7	D./Cut	Grey	18,6	534
673040315	5704403088751	4x3x1,5	11	D./Cut	Grey	20,8	705
673040325	-	4x3x2,5	15	D./Cut	-	23,0	908
6730702075	5704403088461	7x2x0,75	7	D./Cut	Grey	19,8	658
673070215	-	7x2x1,5	11	D./Cut	-	22,2	876
673070225	-	7x2x2,5	15	D./Cut	-	24,4	1120
6730703075	-	7x3x0,75	7	D./Cut	-	21,7	764
673070315	-	7x3x1,5	11	D./Cut	-	24,4	1035
673070325	-	7x3x2,5	15	D./Cut	-	27,1	1360
6730802075	5704403051984	8x2x0,75	7	D./Cut	Grey	22,6	773
673080215	5704403053025	8x2x1,5	11	D./Cut	Grey	25,5	1025
673080215B	5704403053131	8x2x1,5	11	D./Cut	Blue	25,5	1025
673080225	-	8x2x2,5	15	D./Cut	-	28,4	1323
6730803075	-	8x3x0,75	7	D./Cut	-	25,1	896
673080315	-	8x3x1,5	11	D./Cut	-	28,4	1211
673080325	-	8x3x2,5	15	D./Cut	-	31,7	1604
6730902075	-	9x2x0,75	7	D./Cut	-	23,5	833
673090215	-	9x2x1,5	11	D./Cut	-	26,5	1112
673090225	-	9x2x2,5	15	D./Cut	-	29,5	1441
6730903075	-	9x3x0,75	7	D./Cut	-	26,1	982
673090315	-	9x3x1,5	10	D./Cut	-	29,5	1332
673090325	-	9x3x2,5	13	D./Cut	-	33,5	1803
6731002075	-	10x2x0,75	7	D./Cut	-	23,5	876
673100215	-	10x2x1,5	11	D./Cut	-	26,5	1178
673100225	-	10x2x2,5	15	D./Cut	-	29,5	1535
6731003075	-	10x3x0,75	7	D./Cut	-	26,1	1035
673100315	-	10x3x1,5	10	D./Cut	-	29,5	1414
673100325	-	10x3x2,5	13	D./Cut	-	33,5	1921
6731202075	-	12x2x0,75	7	D./Cut	-	25,2	1014
673120215	5704403052936	12x2x1,5	11	D./Cut	Grey	28,5	1365
6731203075	-	12x3x0,75	7	D./Cut	-	28,1	1197

## RFOU(C) S2/S6 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color:	Diameter (mm)*	Weight (kg/km)*
673120315	-	12x3x1,5	10	D./Cut	-	31,8	1644
6731402075	-	14x2x0,75	6	D./Cut	-	26,4	1124
673140215	-	14x2x1,5	10	D./Cut	-	29,9	1528
6731403075	-	14x3x0,75	5	D./Cut	-	29,4	1331
673140315	-	14x3x1,5	8	D./Cut	-	34,0	1895
6731602075	5704403051861	16x2x0,75	6	D./Cut	Grey	27,8	1254
673160215	-	16x2x1,5	10	D./Cut	-	31,5	1709
6731603075	-	16x3x0,75	5	D./Cut	-	31,0	1485
673160315	-	16x3x1,5	8	D./Cut	-	35,8	2117
6731902075	-	19x2x0,75	6	D./Cut	-	19,1	1413
673190215	-	19x2x1,5	10	D./Cut	-	33,6	1986
6731903075	-	19x3x0,75	5	D./Cut	-	33,1	1730
673190315	-	19x3x1,5	8	D./Cut	-	38,0	2495
6732402075	-	24x2x0,75	5	D./Cut	-	33,5	1783
673240215	5704403053179	24x2x1,5	8	D./Cut	Grey	38,5	2555
6732403075	-	24x3x0,75	5	D./Cut	-	37,8	2205
673240315	-	24x3x1,5	8	D./Cut	-	43,1	3080

\* The values can have small deviations

## RFOU(I) S1/S5 - 250 V

**Application:**

RFOU(I) S1/S5 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

**Construction:**

- Conductor: Circular tinned stranded Cu, class 2
- Insulation: Ethylene propylene rubber (EPR)
- Filling sheath: Flame retardant and halogen free compound
- Screen: Every pair/triple is screened with copper backed polyester tape in contact with a stranded tinned copper drain wire, wrapped with polyester tape. Pairs/triples are identified by printed numbers on insulated conductors.  
Armour: Tinned annealed copper wire braid
- Outer sheath: Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe blue)



**Technical data:**

- Working temperature: -30° C to +90° C
- Rated voltage: 250 V
- Test voltage: 1.5 kV

**Approvals:**

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-376, NEK 606:2004, RoHS, CE



**Properties and installation:**

Electromagnetically protected	Fire retardant acc. to IEC 60332-3	For permanent outdoor installation	For use in cable trays	For use on oil rigs	For use on ships
Halogen free	Impact resistance: medium	Low emission of corrosive gases acc. to IEC 60754	Low smoke emission during fire acc. to 61034	Max. working temp. +90° C	Mudresistance NEK TS 606
Outdoor use	Resistance towards oil and chemicals	UV-resistant	Water resistant		

## RFOU(I) S1/S5 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color	Diameter (mm)*	Weight (kg/km)*
6710102075	5704403051878	1x2x0,75	13	D./Cut	Grey	10,7	187
6710102075B	5704403051960	1x2x0,75	13	D./Cut	Blue	10,7	187
671010215	5704403052929	1x2x1,5	20	D./Cut	Grey	11,8	233
671010215B	-	1x2x1,5	20	D./Cut	Blue	11,8	233
671010225	-	1x2x2,5	26	D./Cut	-	12,7	279
671010315	-	1x3x1,5	16	D./Cut	-	12,3	258
671010315B	-	1x3x1,5	16	D./Cut	-	12,3	258
671010325	-	1x3x2,5	21	D./Cut	-	13,3	315
671010375	-	1x3x0,75	11	D./Cut	-	11,3	209
6710202075	5704403053148	2x2x0,75	11	D./Cut	Grey	16,0	373
6710202075B	5704403058556	2x2x0,75	11	D./Cut	Blue	16,0	373
671020215	5704403052967	2x2x1,5	16	D./Cut	Grey	17,8	466
671020215B	5704403052974	2x2x1,5	16	D./Cut	Blue	17,8	466
671020225	-	2x2x2,5	21	D./Cut	-	19,7	569
671020315	-	2x3x1,5	13	D./Cut	-	19,7	543
671020325	-	2x3x2,5	17	D./Cut	-	21,5	663
671020375	-	2x3x0,75	8	D./Cut	-	17,6	430
6710402075	5704403051977	4x2x0,75	7	D./Cut	Grey	18,4	540
6710402075B	5704403152964	4x2x0,75	7	D./Cut	Blue	18,4	540
671040215	-	4x2x1,5	11	D./Cut	-	20,5	693
671040225	-	4x2x2,5	15	D./Cut	-	22,7	871
671040315	-	4x3x1,5	11	D./Cut	-	22,7	819
671040325	-	4x3x2,5	15	D./Cut	-	25,1	1041
671040375	-	4x3x0,75	7	D./Cut	-	20,3	628
6710702075	-	7x2x0,75	7	D./Cut	-	21,5	784
671070215	-	7x2x1,5	11	D./Cut	-	24,1	1028
671070225	-	7x2x2,5	15	D./Cut	-	27,7	1314
671070315	-	7x3x1,5	11	D./Cut	-	26,7	1222
671070325	-	7x3x2,5	15	D./Cut	-	29,7	1582
671070375	-	7x3x0,75	7	D./Cut	-	23,8	917
6710802075	5704403052714	8x2x0,75	7	D./Cut	Grey	25,0	933
671080215	5704403083732	8x2x1,5	11	D./Cut	Grey	28,1	1219
671080225	-	8x2x2,5	15	D./Cut	-	31,2	1551
671080315	-	8x3x1,5	11	D./Cut	-	31,2	1447
671080325	-	8x3x2,5	15	D./Cut	-	35,6	1903
671080375	-	8x3x0,75	7	D./Cut	-	27,7	1090
6710902075	-	9x2x0,75	7	D./Cut	-	26,0	1012
671090215	-	9x2x1,5	11	D./Cut	-	29,2	1327
671090225	-	9x2x2,5	15	D./Cut	-	33,1	1746
671090315	-	9x3x1,5	10	D./Cut	-	33,1	1629
671090325	-	9x3x2,5	13	D./Cut	-	37,2	2190
671090375	-	9x3x0,75	7	D./Cut	-	28,8	1183
6711002075	-	10x2x0,75	7	D./Cut	-	26,0	1070
671100215	-	10x2x1,5	11	D./Cut	-	29,2	1410
671100225	-	10x2x2,5	15	D./Cut	-	33,1	1862
671100315	-	10x3x1,5	10	D./Cut	-	33,1	1731
671100325	-	10x3x2,5	13	D./Cut	-	37,2	2334
671100375	-	10x3x0,75	7	D./Cut	-	28,8	1252



## RFOU(I) S1/S5 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color	Diameter (mm)*	Weight (kg/km)*
6711202075	5704403055951	12x2x0,75	7	D./Cut	Grey	28,0	1241
671120215	5704403047864	12x2x1,5	11	D./Cut	Grey	31,6	1644
671120315	-	12x3x1,5	10	D./Cut	-	35,7	2014
671120375	-	12x3x0,75	7	D./Cut	-	31,1	1453
6711402075	-	14x2x0,75	6	D./Cut	-	29,4	1386
671140215	-	14x2x1,5	10	D./Cut	-	33,7	1900
671140315	-	14x3x1,5	8	D./Cut	-	37,8	2357
671140375	-	14x3x0,75	5	D./Cut	-	33,2	1678
6711602075	5704403052721	16x2x0,75	6	D./Cut	Grey	31,0	1550
671160215	5704403052943	16x2x1,5	10	D./Cut	Grey	35,5	2126
671160215B	5704403052950	16x2x1,5	10	D./Cut	Blue	35,5	2126
671160315	-	16x3x1,5	8	D./Cut	-	39,9	2633
671160375	-	16x3x0,75	5	D./Cut	-	34,8	1856
6711902075	5704403083718	19x2x0,75	6	D./Cut	Grey	33,1	1811
671190215	-	19x2x1,5	10	D./Cut	-	37,7	2517
671190315	-	19x3x1,5	8	D./Cut	-	42,1	3017
671190375	-	19x3x0,75	5	D./Cut	-	37,1	2216
6712402075	5704403055975	24x2x0,75	5	D./Cut	Grey	37,8	2314
671240215	-	24x2x1,5	8	D./Cut	-	42,8	3109
671240315	-	24x3x1,5	8	D./Cut	-	48,3	3782
671240375	-	24x3x0,75	5	D./Cut	-	42,2	2734

\* The values can have small deviations

## BFOU P5/P12 - 0.6/1 kV

### Application:

BFOU P5/P12 is used for permanent installation in the control circuits and lights and emergency lighting and critical offshore units where there are demands for fire safety. For installation in the areas where there is a risk of exposure to the mud, cuttings or cleaning fluids. The cable is fire resistant according to IEC 60331-21 and shielded against electromagnetic interference.

### Construction:

Conductor:	Circular tinned stranded Cu, class 2 or class 5 Cable diameter may differ from the specified
Insulation:	Fire resistant Mica tape helically applied over the conductors  Ethylene propylene rubber (EPR)
Conductor color:	1 conductor: black 2 conductors: blue, brown 3 conductors: brown, black, grey 4 conductors: blue, brown, black, grey 5 conductors: blue, brown, black, grey, black
Filling sheath:	Flame retardant and halogen free compound
Screen:	Tinned annealed copper wire braid
Outer sheath:	Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, black



### Technical data:



















Working temperature:	-30° C to +90° C
Rated voltage:	0.6/1 kV
Test voltage:	3.5 kV
Bend radius:	6 x cable diameter

### Approvals:

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60331-21, IEC 60092-353, NEK 606:2004, RoHS, CE



### Properties and installation:

 Bending radius 6 x cable diameter	 Electromagnetically protected	 Fire retardant acc. to IEC 60332-3	 For permanent outdoor installation	 For use in cable trays	 For use on oil rigs
 For use on ships	 Halogen free	 Impact resistance: medium	 Low emission of corrosive gases acc. to IEC 60754	 Low smoke emission during fire acc. to 61034	 Max. working temp. +90° C
 Mudresistance NEK TS 606	 Operation secured acc. to IEC 60331	 Outdoor decommissioning	 Resistance towards oil and chemicals	 UV-resistant	 Water resistant

## BFOU P5/P12 - 0.6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
68001001	-	1x1,5	23	D./Cut	9,3	150
68001002	-	1x2,5	32	D./Cut	9,8	170
68001004	-	1x4	40	D./Cut	10,4	200
68001006	-	1x6	52	D./Cut	10,9	230
68001010	-	1x10	72	D./Cut	11,9	290
68001016	5704403050468	1x16	96	D./Cut	13,0	380
68001025	-	1x25	127	D./Cut	15,4	550
68001035	-	1x35	157	D./Cut	16,6	670
68001050	-	1x50	196	D./Cut	18,1	860
68001070	-	1x70	242	D./Cut	20,1	1110
68001095	5704403050451	1x95	293	D./Cut	22,4	1420
68001120	5704403051953	1x120	339	D./Cut	24,4	1710
68001150	-	1x150	389	D./Cut	26,5	2050
68001185	5704403056200	1x185	444	D./Cut	28,8	2480
68001240	-	1x240	522	D./Cut	31,6	3160
68001300	5704403053681	1x300	601	D./Cut	35,0	3850
68002001	5704403049769	2x1,5	20	D./Cut	14,2	320
68002002	5704403048311	2x2,5	27	D./Cut	15,2	380
68002004	5704403052851	2x4	34	D./Cut	16,4	450
68002006	-	2x6	44	D./Cut	17,5	530
68002010	-	2x10	61	D./Cut	19,5	720
68002016	-	2x16	82	D./Cut	21,7	890
68002025	-	2x25	108	D./Cut	25,5	1280
68002035	-	2x35	133	D./Cut	28,0	1580
68002050	-	2x50	167	D./Cut	31,0	2050
68003001	5704403048496	3x1,5	16	D./Cut	14,9	360
68003001G	5704403048762	3G1,5	16	D./Cut	14,9	360
68003002	5704403047758	3x2,5	22	D./Cut	16,0	430
68003002G	5704403048526	3G2,5	22	D./Cut	16,0	430
68003004	5704403047802	3x4	28	D./Cut	17,3	520
68003004G	5704403056057	3G4	28	D./Cut	17,3	520
68003006	5704403047765	3x6	36	D./Cut	18,4	620
68003010	5704403047727	3x10	50	D./Cut	20,7	820
68003016	5704403047710	3x16	67	D./Cut	23,0	1070
68003025	5704403047840	3x25	89	D./Cut	27,2	1850
68003035	5704403048021	3x35	110	D./Cut	29,8	1960
68003050	5704403048519	3x50	137	D./Cut	33,1	2580
68003070	5704403047888	3x70	169	D./Cut	38,3	3450
68003095	-	3x95	205	D./Cut	43,2	4480
68003120	-	3x120	237	D./Cut	48,0	5650
68003150	-	3x150	273	D./Cut	52,4	6800
68003185	-	3x185	311	D./Cut	57,5	8400
68003240	-	3x240	366	D./Cut	64,0	10810
68004001	5704403048502	4x1,5	16	D./Cut	16,1	430
68004001G	5704403048755	4G1,5	16	D./Cut	16,1	430
68004002	5704403059355	4x2,5	21	D./Cut	17,3	510
68004002G	5704403048748	4G2,5	21	D./Cut	17,3	510
68004004G	5704403057900	4G4	28	D./Cut	18,7	620

## BFOU P5/P12 - 0.6/1 kV

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Diameter (mm)*	Weight (kg/km)*
68004006	5704403050529	4x6	36	D./Cut	20,0	740
68004010	5704403061341	4x10	50	D./Cut	22,6	1000
68004010G	5704403050963	4G10	50	D./Cut	22,6	1000
68004016	5704403049776	4x16	67	D./Cut	25,1	1320
68004025	5704403050550	4x25	89	D./Cut	29,8	1960
68004035G	5704403057917	4G35	110	D./Cut	32,7	2450
68004050	-	4x50	137	D./Cut	37,3	3120
68004070	5704403047772	4x70	169	D./Cut	42,2	4440
68004095	-	4x95	205	D./Cut	48,1	5920
68004120	-	4x120	237	D./Cut	53,0	7210
68004150	-	4x150	273	D./Cut	58,0	8690
68004185	-	4x185	311	D./Cut	64,1	10700
68005001	5704403049486	5x1,5	13	D./Cut	17,4	490
68005001G	5704403055531	5G1,5	13	D./Cut	17,4	490
68005002	5704403060542	5x2,5	18	D./Cut	18,7	590
68005002G	5704403053506	5G2,5	18	D./Cut	18,7	590
68005004	-	5x4	23	D./Cut	20,3	690
68005006	-	5x6	29	D./Cut	21,8	860
68005010	-	5x10	40	D./Cut	24,6	1150
68005016G	5704403053346	5G16	54	D./Cut	27,4	1600
68005025	-	5x25	71	D./Cut	32,6	2280
68005025G	5704403067640	5G25	71	D./Cut	32,6	2280
68005035	-	5x35	88	D./Cut	36,8	2960
68005050	-	5x50	110	D./Cut	40,9	4070
68005070	-	5x70	135	D./Cut	46,3	5350
68005095	-	5x95	164	D./Cut	52,9	7120
68007001	5704403049752	7x1,5	11	D./Cut	18,7	580
68007002	5704403048113	7x2,5	16	D./Cut	20,2	700
68010001	-	10x1,5	11	D./Cut	22,3	880
68010002	-	10x2,5	16	D./Cut	24,2	1060
68012001	5704403058082	12x1,5	11	D./Cut	24,0	930
68012002	-	12x2,5	16	D./Cut	26,0	1150
68014001	-	14x1,5	11	D./Cut	25,1	1040
68014002	-	14x2,5	16	D./Cut	27,2	1270
68019001	5704403049745	19x1,5	11	D./Cut	27,8	1250
68019002	-	19x2,5	16	D./Cut	30,2	1570
68024001	-	24x1,5	11	D./Cut	30,9	1550
68024002	-	24x2,5	16	D./Cut	34,1	2090
68027001	5704403058075	27x1,5	10	D./Cut	32,9	1720
68027002	-	27x2,5	13	D./Cut	36,8	2210
68037001	-	37x1,5	10	D./Cut	37,6	2220
68037002	-	37x2,5	13	D./Cut	41,0	2930

\* The values can have small deviations

## BFOU(C) S4/S8 - 250 V

**Application:**

BFOU(C) S4/S8 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.

**Construction:**

- Conductor: Circular tinned stranded Cu, class 2
- Insulation: Fire resistant Mica tape helically applied over the conductors  
Ethylene propylene rubber (EPR)
- Filling sheath: Flame retardant and halogen free compound
- Screen: Collective screen: Pairs/triples are laid-up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire. Pairs/triples are identified by printed numbers on insulated conductors.  
Armour: Tinned annealed copper wire braid
- Outer sheath: Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe the color is blue)



**Technical data:**


















- Working temperature: -30° C to +90° C
- Rated voltage: 250 V
- Test voltage: 1.5 kV
- Bend radius: 6 x cable diameter

**Approvals:**

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60331-21, IEC 60092-376, NEK 606:2004, RoHS, CE



**Properties and installation:**

 Electromagnetically protected	 Fire retardant acc. to IEC 60332-3	 For permanent outdoor installation	 For use in cable trays	 For use on oil rigs	 For use on ships
 Halogen free	 Impact resistance: medium	 Low emission of corrosive gases acc. to IEC 60754	 Low smoke emission during fire acc. to 61034	 Max. working temp. +90° C	 Mudresistance NEK TS 606
 Operation secured acc. to IEC 60331	 Outdoor decommissioning	 Resistance towards oil and chemicals	 UV-resistant	 Water resistant	

## BFOU(C) S4/S8 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color:	Diameter (mm)*	Weight (kg/km)*
6830102075	-	1x2x0,75	13	D./Cut	-	11,8	217
683010215	5704403059096	1x2x1,5	20	D./Cut	Grey	12,7	260
683010225	-	1x2x2,5	26	D./Cut	-	13,6	308
6830103075	-	1x3x0,75	11	D./Cut	-	12,3	235
683010315	-	1x3x1,5	16	D./Cut	-	13,3	287
683010325	-	1x3x2,5	21	D./Cut	-	14,8	385
6830202075	5704403050482	2x2x0,75	11	D./Cut	Grey	13,1	295
6830202075B	5704403057887	2x2x0,75	11	D./Cut	Blue	13,1	295
683020215	5704403053490	2x2x1,5	16	D./Cut	Grey	14,8	406
683020215B	5704403053186	2x2x1,5	16	D./Cut	Blue	14,8	406
683020225	-	2x2x2,5	21	D./Cut	-	15,6	490
6830203075	5704403067435	2x3x0,75	8	D./Cut	Grey	18,1	451
683020315	-	2x3x1,5	13	D./Cut	-	20,0	562
683020325	-	2x3x2,5	17	D./Cut	-	21,7	678
6830402075	5704403053599	4x2x0,75	7	D./Cut	Grey	18,7	556
6830402075B	5704403057894	4x2x0,75	7	D./Cut	Blue	18,7	556
683040215	5704403053841	4x2x1,5	11	D./Cut	Grey	20,7	702
683040225	-	4x2x2,5	15	D./Cut	-	22,7	185
6830403075	5704403050475	4x3x0,75	7	D./Cut	Grey	20,8	645
683040315	-	4x3x1,5	11	D./Cut	-	23,0	827
683040325	-	4x3x2,5	15	D./Cut	-	25,2	1042
6830702075	-	7x2x0,75	7	D./Cut	-	22,1	805
683070215	-	7x2x1,5	11	D./Cut	-	24,3	1025
683070225	-	7x2x2,5	15	D./Cut	-	26,7	1297
6830703075	-	7x3x0,75	7	D./Cut	-	24,4	927
683070315	-	7x3x1,5	11	D./Cut	-	27,1	1216
683070325	-	7x3x2,5	15	D./Cut	-	29,8	1559
6830802075	5704403052745	8x2x0,75	7	D./Cut	Grey	25,4	944
683080215	-	8x2x1,5	11	D./Cut	-	28,3	1215
683080225	-	8x2x2,5	15	D./Cut	-	31,2	1531
6830803075	-	8x3x0,75	7	D./Cut	-	28,3	1103
683080315	-	8x3x1,5	11	D./Cut	-	31,6	1439
683080325	-	8x3x2,5	15	D./Cut	-	35,2	1875
6830902075	-	9x2x0,75	7	D./Cut	-	26,4	1020
683090215	-	9x2x1,5	11	D./Cut	-	29,4	1318
683090225	-	9x2x2,5	15	D./Cut	-	33,0	1720
6830903075	-	9x3x0,75	7	D./Cut	-	29,4	1194
683090315	-	9x3x1,5	10	D./Cut	-	33,5	1617
683090325	-	9x3x2,5	13	D./Cut	-	37,3	2156
6831002075	-	10x2x0,75	7	D./Cut	-	26,4	1074
683100215	-	10x2x1,5	11	D./Cut	-	29,4	1396
683100225	-	10x2x2,5	15	D./Cut	-	33,0	1828
6831003075	-	10x3x0,75	7	D./Cut	-	29,4	1258
683100315	-	10x3x1,5	10	D./Cut	-	33,5	1713
683100325	-	10x3x2,5	13	D./Cut	-	37,3	2289
6831202075	5704403051991	12x2x0,75	7	D./Cut	Grey	28,5	1242
683120215	-	12x2x1,5	11	D./Cut	-	31,7	1620
6831203075	5704403050499	12x3x0,75	7	D./Cut	Grey	31,8	1453



## BFOU(C) S4/S8 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color:	Diameter (mm)*	Weight (kg/km)*
683120315	-	12x3x1,5	10	D./Cut	-	36,1	1985
6831402075	-	14x2x0,75	6	D./Cut	-	29,8	1383
683140215	-	14x2x1,5	10	D./Cut	-	33,8	1868
6831403075	-	14x3x0,75	5	D./Cut	-	33,9	1673
683140315	-	14x3x1,5	8	D./Cut	-	38,4	2336
6831602075	5704403053834	16x2x0,75	6	D./Cut	Grey	31,4	1541
683160215	-	16x2x1,5	10	D./Cut	-	35,7	2086
6831603075	-	16x3x0,75	5	D./Cut	-	35,7	1863
683160315	-	16x3x1,5	8	D./Cut	-	40,3	2582
6831902075	-	19x2x0,75	6	D./Cut	-	33,5	1794
683190215	-	19x2x1,5	10	D./Cut	-	37,8	2463
6831903075	-	19x3x0,75	5	D./Cut	-	37,9	2199
683190315	-	19x3x1,5	8	D./Cut	-	42,5	2951
6832402075	-	24x2x0,75	5	D./Cut	-	38,4	2307
683240215	-	24x2x1,5	8	D./Cut	-	42,9	3032
6832403075	-	24x3x0,75	5	D./Cut	-	43,0	2701
683240315	-	24x3x1,5	8	D./Cut	-	48,7	3690

\* The values can have small deviations

# BFOU(I) S3/S7 - 250 V

**Application:**

BFOU(I) S3/S7 is used in fixed installations for control, instrumentation and telecommunication in both explosion and safe areas, in emergency and critical systems where requirement for fire resistance exists. The cable is also used for installations in areas exposed to mud and drilling or cleaning fluids.



**Construction:**

- Conductor: Circular tinned stranded Cu, class 2 or class 5
- Insulation: Fire resistant Mica tape helically applied over the conductors  
Ethylene propylene rubber (EPR)
- Filling sheath: Flame retardant and halogen free compound
- Screen: Every pair/triple is screened with copper backed polyester tape in contact with a stranded tinned copper drain wire, wrapped with polyester tape. Pairs/triples are identified by printed numbers on insulated conductors.  
Armour: Tinned annealed copper wire braid
- Outer sheath: Flame retardant, halogen free and mud resistant thermoset compound acc. to SHF MUD, grey (if intrinsically safe blue)

**Technical data:**

- Working temperature: -30° C to +90° C
- Rated voltage: 250 V
- Test voltage: 1.5 kV
- Bend radius: 6 x cable diameter

**Approvals:**

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60331-21, IEC 60092-376, NEK 606:2004, RoHS, CE



**Properties and installation:**

Electromagnetically protected	Fire retardant acc. to IEC 60332-3	For permanent outdoor installation	For use in cable trays	For use on oil rigs	For use on ships
Halogen free	Impact resistance: medium	Low emission of corrosive gases acc. to IEC 60754	Low smoke emission during fire acc. to 61034	Max. working temp. +90° C	Mudresistance NEK TS 606
Operation secured acc. to IEC 60331	Outdoor use	Resistance towards oil and chemicals	UV-resistant	Water resistant	

## BFOU(I) S3/S7 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color	Diameter (mm)*	Weight (kg/km)*
6810102075	5704403049820	1x2x0,75	13	D./Cut	Grey	11,8	220
6810102075B	5704403048779	1x2x0,75	13	D./Cut	Blue	11,8	220
681010215	5704403048090	1x2x1,5	20	D./Cut	Grey	12,7	262
681010215B	5704403047833	1x2x1,5	20	D./Cut	Blue	12,7	262
681010225	-	1x2x2,5	26	D./Cut	-	13,6	310
681010315	-	1x3x1,5	16	D./Cut	-	13,2	290
681010315B	5704403050970	1x3x1,5	16	D./Cut	Blue	13,2	290
681010325	-	1x3x2,5	21	D./Cut	-	14,8	390
681010375	5704403050444	1x3x0,75	11	D./Cut	Grey	12,3	240
6810202075	5704403053605	2x2x0,75	11	D./Cut	Grey	17,7	434
6810202075B	5704403058716	2x2x0,75	11	D./Cut	Blue	17,7	434
681020215	5704403049448	2x2x1,5	16	D./Cut	Grey	19,5	531
681020215B	5704403048342	2x2x1,5	16	D./Cut	Blue	19,5	531
681020225	-	2x2x2,5	21	D./Cut	-	21,1	629
681020315	-	2x3x1,5	13	D./Cut	-	21,3	608
681020325	-	2x3x2,5	17	D./Cut	-	23,4	743
681020375	-	2x3x0,75	8	D./Cut	-	19,5	501
6810402075	5704403048786	4x2x0,75	7	D./Cut	Grey	20,4	636
681040215	5704403047796	4x2x1,5	11	D./Cut	Grey	22,5	797
681040225	-	4x2x2,5	15	D./Cut	-	24,4	970
681040315	-	4x3x1,5	11	D./Cut	-	24,9	938
681040325	-	4x3x2,5	15	D./Cut	-	27,1	1156
681040375	-	4x3x0,75	7	D./Cut	-	22,5	737
6810702075	-	7x2x0,75	7	D./Cut	-	24,0	929
681070215	-	7x2x1,5	11	D./Cut	-	26,6	1188
681070225	-	7x2x2,5	15	D./Cut	-	29,2	1487
681070315	-	7x3x1,5	11	D./Cut	-	29,5	1405
681070325	-	7x3x2,5	15	D./Cut	-	33,1	1833
681070375	-	7x3x0,75	7	D./Cut	-	26,6	1083
6810802075	5704403053612	8x2x0,75	7	D./Cut	Grey	28,0	1105
681080215	5704403047789	8x2x1,5	11	D./Cut	Grey	31,0	1407
681080225	-	8x2x2,5	15	D./Cut	-	34,5	1791
681080315	5704403052875	8x3x1,5	11	D./Cut	Grey	34,9	1699
681080325	-	8x3x2,5	15	D./Cut	-	39,0	2256
681080375	-	8x3x0,75	7	D./Cut	-	31,0	1287
6810902075	-	9x2x0,75	7	D./Cut	-	29,1	1199
681090215	-	9x2x1,5	11	D./Cut	-	32,9	1586
681090225	-	9x2x2,5	15	D./Cut	-	36,2	1975
681090315	-	9x3x1,5	10	D./Cut	-	37,0	1963
681090325	-	9x3x2,5	13	D./Cut	-	40,6	2463
681090375	-	9x3x0,75	7	D./Cut	-	32,9	1451
6811002075	-	10x2x0,75	7	D./Cut	-	29,1	1270
681100215	-	10x2x1,5	11	D./Cut	-	32,9	1684
681100225	-	10x2x2,5	15	D./Cut	-	36,2	2107
681100315	-	10x3x1,5	10	D./Cut	-	37,0	2082
681100325	-	10x3x2,5	13	D./Cut	-	40,6	2624
681100375	-	10x3x0,75	7	D./Cut	-	32,9	1535
6811202075	-	12x2x0,75	7	D./Cut	-	31,4	1475

## BFOU(I) S3/S7 - 250 V

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color	Diameter (mm)*	Weight (kg/km)*
681120215	5704403048335	12x2x1,5	11	D./Cut	Grey	35,5	1957
681120315	-	12x3x1,5	10	D./Cut	-	39,9	2416
681120375	-	12x3x0,75	7	D./Cut	-	35,5	1778
6811402075	-	14x2x0,75	6	D./Cut	-	33,4	1706
681140215	-	14x2x1,5	10	D./Cut	-	37,6	2294
681140315	-	14x3x1,5	8	D./Cut	-	42,1	2730
681140375	-	14x3x0,75	5	D./Cut	-	37,6	2085
6811602075	5704403052660	16x2x0,75	6	D./Cut	Grey	35,2	1886
681160215	-	16x2x1,5	10	D./Cut	-	39,7	2559
681160315	-	16x3x1,5	8	D./Cut	-	44,8	3099
681160375	-	16x3x0,75	5	D./Cut	-	39,7	2320
6811902075	-	19x2x0,75	6	D./Cut	-	37,5	2256
681190215	-	19x2x1,5	10	D./Cut	-	41,9	2933
681190315	-	19x3x1,5	8	D./Cut	-	47,3	3547
681190375	-	19x3x0,75	5	D./Cut	-	41,9	2650
6812402075	-	24x2x0,75	5	D./Cut	-	42,6	2780
681240215	5704403048328	24x2x1,5	8	D./Cut	Grey	48,1	3677
681240315	-	24x3x1,5	8	D./Cut	-	53,7	4382
681240375	-	24x3x0,75	5	D./Cut	-	48,0	3321

\* The values can have small deviations

# P108 UX H-M / UX P15

**Application:**

P108 UX H-M/ UX P15 is a flame retardant, low smoke and halogen free cable, used for earthing. The cable is mud resistant in accordance with NEK 606:2016 and UV resistant.



**Construction:**

- Conductor: Tinned annealed stranded Cu, class 2
- Insulation: Halogen free thermosetting compound type SHF2 H-M.
- Conductor color: When used as protective earth (PE) wire, the cables are coloured yellow/green. When used as single wire, the cables are coloured off-white, black, red or blue.
- Outer sheath: Halogen free, flame retardant

**Technical data:**

- Working temperature: -40° C to +90° C
- Rated voltage: 0.6/1 kV
- Bend radius: Flexible installation: 8 x cable diameter  
Fixed installation: 4 x cable diameter

**Approvals:**

IEC 60754-1/2, IEC 61034-1/2, IEC 60332-3-22 cat. A, IEC 60092-353, IEC 60092-360, IEC 60332-1-2, NEK 606:2016, UL1581, IEC 61200, DNV-GL, RINA, Lloyd's Register, ABS, RoHS, CE



**Properties and installation:**

- Bending radius 4 x cable diameter
- Bending radius 8 x cable diameter
- Electromagnetically protected
- Fire retardant acc. to IEC 60332-3-22 (CAT-A)
- Flame retardant acc. to IEC 60332-1
- For permanent outdoor installation
- For use in cable trays
- For use on oil rigs
- For use on ships
- Halogen free
- Impact resistance: medium
- Low emission of corrosive gases acc. to IEC 60754
- Low smoke emission during fire acc. to 61034
- Max. working temp. +90° C
- Min. working temperature -40° C
- Mudresistance NEK TS 606
- Outdoor decommissioning
- Resistance towards oil and chemicals
- UV-resistant
- Water resistant

## P108 UX H-M / UX P15

SKU	EAN	Dimension (mm <sup>2</sup> )	Current Value (A)	Packaging	Color:	Diameter (mm)*	Weight (kg/km)*
68401006	5704403052004	1G6	-	D./Cut	Yellow/green	6,7	101
68401010	5704403068463	1G10	-	D./Cut	Yellow/green	6,6	125
68401016U	5704403060573	1x16	-	D./Cut	Green	7,7	185
68401016G	5704403063604	1G16	-	D./Cut	Yellow/green	7,0	220
68401025U	5704403060580	1x25	-	D./Cut	Green	9,5	290
68401025	-	1G25	-	D./Cut	Yellow/green	9,0	300
68401035	5704403050680	1G35	-	D./Cut	Yellow/green	10,0	390
68401050	5704403066636	1G50	-	D./Cut	Yellow/green	11,0	490
68401070	5704403063635	1G70	-	D./Cut	Yellow/green	13,0	670
68401095	5704403079247	1x95	-	D./Cut	Green	15,5	950
68401095G	5704403085118	1G95	-	D./Cut	Yellow/green	15,0	920
68401120	-	1G120	-	D./Cut	Yellow/green	16,0	1170
68401150	5704403175758	1G150	-	D./Cut	Yellow/green	18,0	1445
68401185	-	1G185	-	D./Cut	Yellow/green	20,0	1930
68401240	5704403120710	1G240	-	D./Cut	Yellow/green	23,0	2425
68401300	-	1G300	-	D./Cut	Yellow/green	31,0	3000

**\* The values can have small deviations**





## Scankab set out as the cable industry's answer to "garage rock"

From the outset in 1992, Scankab was the rebel of the cable industry. The business sold cables from a small garage store room and challenged the cable market. Today, it is still part of the company's DNA to set new standards for the industry.

Scankab develops, manufactures and supplies quality cables and cable management to electrical contractors, industry, marine & offshore, infrastructure and energy. The range includes more than 3500 stocked cable types. Scankab has its head office and warehouse in Aarup in Funen and its subsidiaries in Norway and Sweden.



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